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POWERING THE INDUSTRY ONE CAMERA AT A TIME.

XS RECON

HD Wireless Transmission System

User's Manual

TABLE OF CONTENTS

1. FCC STATEMENT 1

   IMPORTANT INFORMATION 2

2. INTRODUCTION.....3

3. SPECIFICATION.....3

4. X5 PLATE MODEL OVERVIEW.....4-5

   -X5 MODULAR MODEL

5. INSTALLATION.....6

6. SYSTEM SETTINGS.....7

6. TROUBLE SHOOTING.....8

7. PACKING CONTENT.....9

Packing Content

Please check whether the following items are present in the package. If any items missed or damaged, please contact your dealer.

No.	Description	Quantity
1	RECON X5TX	1
2	RECON X5RX	1
3	Antenna	4
4	Connecting Plate	1
5	Remote Control	1
6	User's Manual	1

Recon X5TX

Recon X5RX

Remote Control

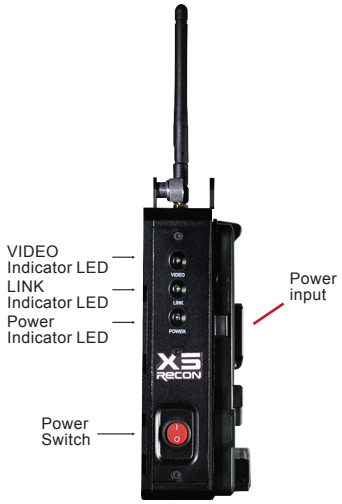
RECON X5 BATTERY PLATE MODEL OVERVIEW

RECON X5TX
Operation Panel
。Power Switch with LED indicator
Press to turn RECON X5TX on or off. The above LED indicator turns green when the power is on.
。LED Lights
VIDEO LED lights up when RECON X5TX receives and transmits signal.
LINK LED lights up when the signal link between RECON X5TX and RECON X5RX is established.

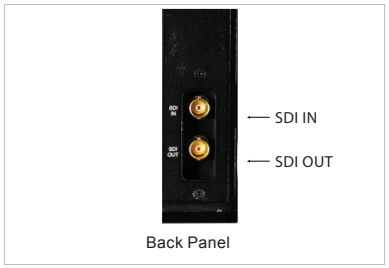
Back Panel
1. SDI IN
For SDI signal input
2. SDI OUT
SDI signal loop out

Power Interface
1. Power Input Interface
Connect to JetPack or other power supply, input voltage: DC 11V-17V (RED+, BLACK-)
2. Power Output Interface
Connect to the camera, output voltage: DC 11V-17V(RED+, BLACK-)

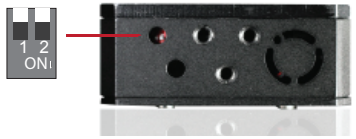
Sync Button
When users need to add the transmitter, press this sync button to couple with the receiver. When adding, press lever 1 to ON, two seconds later, reset it to OFF.



Operation Panel



Back Panel



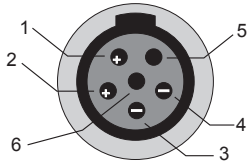
Bottom Panel

RECON X5RX
Operation Panel
Power Switch with LED indicator
Press to turn RECON X5RX on or off. The above LED indicator turns red when the power is on.
LED Lights
VIDEO LED lights up when RECON X5RX receives and transmits signal.
LINK LED lights up when the signal link between RECON X5TX and RECON X5RX is established.

Terminal Connection Panel
1. 2 SDI OUT
SDI signal loop out
2. Power Input Interface (Type: EGG.2B.306)
Connect to external power supply equipment, input voltage: DC 11V-17V
Pins: 1,2: +; 3,4: -; 5: Contact Judgment, need to connect the negative: 6: Empty

DIP switch of signal format
When signal input is 1080p50, 1080p25,1080i50, 720p50, turn lever 1 upward to OFF;
When signal input is other formats, turn lever 1 downward to ON.

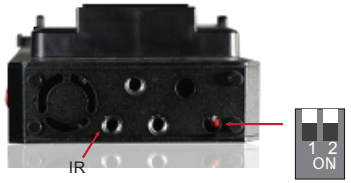
IR remote control signal receiving window
The remote control setup the system through this window.
Note: The remote control must face to this window when the system is setting up.



Power Input

Operation Panel

Back Panel



Bottom Panel

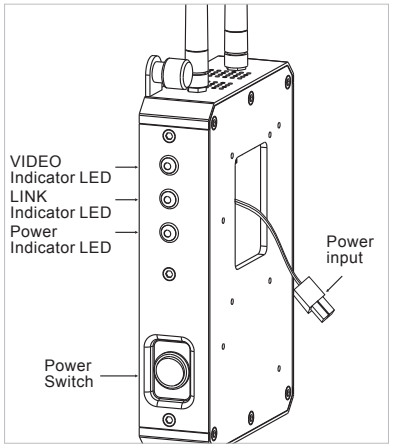
RECON X5 MODULAR MODEL OVERVIEW

RECON X5TX
Operation Panel
。Power Switch with LED indicator
Press to turn RECON X5TX on or off. The above LED indicator turns green when the power is on.
。LED Lights
VIDEO LED lights up when RECON X5TX receives and transmits signal.
LINK LED lights up when the signal link between RECON X5TX and RECON X5RX is established.

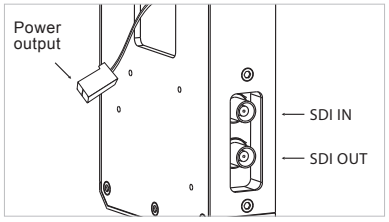
Back Panel
1. SDI IN
For SDI signal input
2. SDI OUT
SDI signal loop out

Power Interface
1. Power Input Interface
Connect to JetPack or other power supply, input voltage: DC 11V-17V (RED+, BLACK-)
2. Power Output Interface
Connect to the camera, output voltage: DC 11V-17V(RED+, BLACK-)

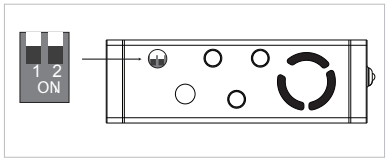
Sync Button
When users need to add the transmitter, press this sync button to couple with the receiver. When adding, press lever 1 to ON, two seconds later, reset it to OFF.



Operation Panel



Back Panel



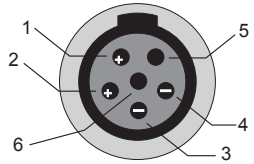
Bottom Panel

RECON X5RX
Operation Panel
Power Switch with LED indicator
Press to turn RECON X5RX on or off. The above LED indicator turns red when the power is on.
LED Lights
VIDEO LED lights up when RECON X5RX receives and transmits signal.
LINK LED lights up when the signal link between RECON X5TX and RECON X5RX is established.

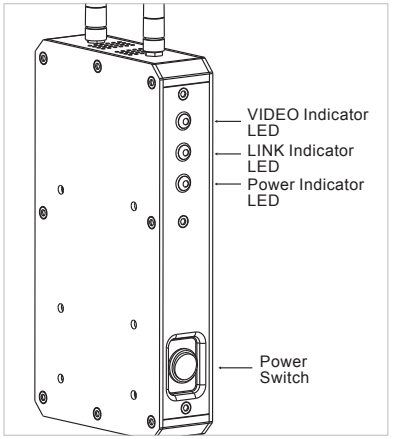
Terminal Connection Panel
1. 2 SDI OUT
SDI signal loop out
2. Power Input Interface (Type: EGG.2B.306)
Connect to external power supply equipment, input voltage: DC 11V-17V
Pins: 1,2: +; 3,4: -; 5: Contact Judgment, need to connect the negative: 6: Empty

DIP switch of signal format
When signal input is 1080p50, 1080p25,1080i50, 720p50, turn lever 1 upward to OFF;
When signal input is other formats, turn lever 1 downward to ON.

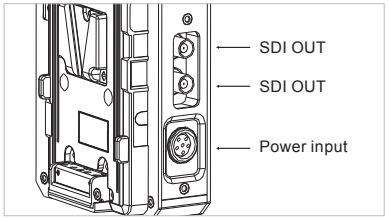
IR remote control signal receiving window
The remote control setup the system through this window.
Note: The remote control must face to this window when the system is setting up.



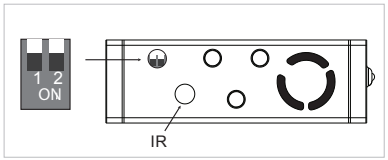
Power Input



Operation Panel



Back Panel



Bottom Panel

Important Information
Read this user's manual carefully before use. It contains important information and notes regarding operating.
The RECON X5 may not apply to the below cases:

- Repairs or product modification and alterations have been executed by unauthorized service personnel.
- Damages is caused by accidents including but not limited to lighting, water, fire, or moisture.
- Do not use power with specific power rating not compliant in the specification.
- The serial number on the product has been altered, deleted, removed or made illegible.

Danger: Be careful with electricity.

- Power to the units must be switched off before any work is undertaken.
- When the unit is not used for a long period, disconnect them from the power source.

Warning

- Do not open the product.
- Do not block the ventilation slots on the product.
- Put the product away from direct sunlight or any source of heat.
- Do not spill liquid on the product, especially with corrosive liquids.
- To reduce the risk of fire or electric shock, do not expose the RECON X5TX and RECON X5RX to rain or moisture.

Special Notice

- Never use this product nearby an aircraft or high-accuracy electronic instrument, It will cause an interference and wrong effect on the operation.
- Never use this product in the following location where wireless wave will cause the abnormal video and audio (noise, blocked image...etc,).

1. Installed in the walls with hard accessible material.
2. This device should be situated away from the refrigerator or metal fitment.
3. Crowded place.

- This product has been tested and manufactured to comply with each country's safety rules. However, there is no guarantee that interference will not occur in a few particular installation. If the interference is happened, increase the separation distance between RECON X5TX and RECON X5RX.
- RECON X5 is susceptible to interference from 5GHz wireless device, such as router or other wireless device.
- Do not put RECON X5TX and RECON X5RX in a metal rack, which may hinder the wireless communication.
- When wireless transmission is beginning, the product takes about 15-20 seconds to start the system, the media receiver can not be operated during this time.
- Do Install the external antennas before use.

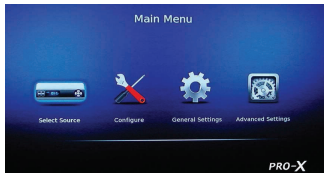
GRAPHICAL USER INTERFACE MENU

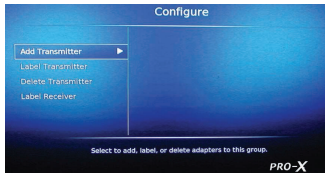
The Recon X5 has built in GUI, accessible when pressing the menu button on the remote control, aiming it towards the IR window on the bottom of the RX. You must have a monitor connected to either SDI output on the RX view.

Remote Control

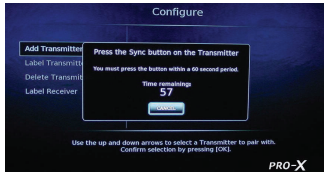
Main Interface	Sub Menu	Remark
Select Source	Recon X5	Select the different signal source
Configure	Add Transmitter	Add more transmitters
	Label Transmitter	label the transmitter
	Delete Transmitter	Delete the transmitter
	Label Receiver	Label the receiver
General settings	Language	Select the language
Advanced Settings	Latency Mode	Game Mode is default Latency Mode
	Wireless Channel	Select the appropriate WIFI channel
	Audio Mode	based on the environment LPCM is default Audio Mode
	System Information	Display the system information
	Reset to Factory	Restore the factory settings

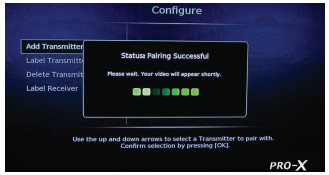
Add a transmitter:(for example)
1. Select Configure in the Main Menu interface;
2. Select Add Transmitter in the Configure interface;
3. Select the transmitter you want to add, then press the Sync Button on the transmitter (see RECON X5TX);
4. Added successfully.





1 | 2
3 | 4

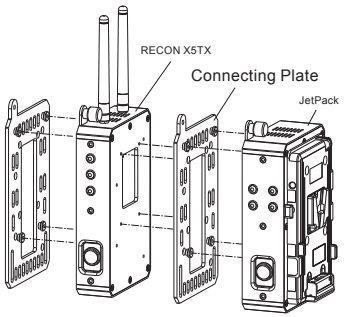

Configure
Add Transmitter
Label Transmitter
Delete Transmitter
Label Receiver
Press the Sync button on the Transmitter
You must press the button within a 60 second period.
Time remaining
57
Use the up and down arrows to select a Transmitter to pair with.
Confirm selection by pressing [OK].
PRO-X



Installation

For the Recon X5 systems with V or 3 Stus plates, you can simply mount the transmitter as you would a battery pack, positioning the TX between camera and battery.

For those who have a modular system, please see the illustration to the right on how to “hard” mount the modular TX to the camera and coupling that with an optional Jetpack X power distribution module.



Connect the JetPack to RECON X5TX

Step1: RECON X5TX the transmitter:
1. Install the 2 external antennas.
2. Connect the BNC cable to the High-Definition device's SDI OUT socket.
3. Connect the BNC cable to RECON X5TX's SDI IN socket.
4. Connect the JetPack or other power supply equipment.

Step2: RECON X5RX the receiver:
1. Install the 2 external antennas
2. Adjust the DIP switch according to the input signal formats(See RECON X5RX)
3. Connect the BNC cable to RECON X5RX's SDI OUT socket
4. Connect the BNC cable to the display device's SDI IN socket.
5. Connect the AC power supply.

Step3: Power on
Press the power switches to power on your RECON X5TX and RECON X5RX, POWER LED indicators turn solid green.
If RECON X5TX receives SDI signals, VIDEO LED on the RECON X5 TX lights up; if the signal link between RECON X5TX and RECON X5 RX is established, LINK LED on the RECON X5RX lights up. In this case the communication is normal, you can normally transmit signals.

Thank you for your choice in purchasing the Recon X5.

This solution delivers uncompressed 1080i True Cinema video content to your monitor.
It operates the transmission in 5.15GHz-5.25GHz, 5.725GHz-5.85GHz(non-DFS Frequency Bands) frequencies that can adjust its frequency automatically in case of interference with another RF system.
With external antennas, it can transmit uncompressed video content with less than a frame of latency.

Specification

Model	RECON X5		
Video Formats	SDI Input	1080p,1080i, 720p, 576i, 480i	
Audio Format	Digital Audio	Up to 3.072Mbps AC-3 and DTS	
Antenna	Omni – directional, high efficiency antenna system		
Latency	Less than 1 frame		
Frequency	5.15GHz-5.25GHz, 5.725GHz-5.85GHz (non-DFS Frequency Bands) US, EU, JP, CN		
Applicable Regulations	FCC, CE, NCC, CCC		
Interface		RECON X5TX	RECON X5RX
Audio/Video	SDI Input	1	No
	SDI Output	1	2
Power Supply	Input	Battery or JetPack	11V-17V DC
Power Switch on Operation Panel		1RED	
LED Light	POWER LED	1	
	VIDEO LED	1	
	LINK LED	1	
Dimensions(mm)		175(W)×105(L)×3 (H)	180(W)×100(L)×32 (H)